

What is claimed is:

1. ~~A display apparatus for a notebook computer having a system body with a main printed circuit board, comprising.~~  
5 a display panel for displaying a picture information processed by the main printed circuit board and having a pixel matrix;  
drivers being mounted on the display panel and for driving the row and column lines of the pixel matrix;  
10 panel driving means positioning on the main print circuit board for controlling the drivers in accordance with a picture data from the main printed circuit board; and  
a flexible printed circuit film for connecting the  
15 drivers with the panel driving means.
2. The display apparatus as claimed in claim 1, said panel driving means is form in a package.
- 20 3. The display apparatus as claimed in claim 2, said panel driving means includes:  
a circuit board be loaded with circuit elements thereon;  
a molding material for molding the circuit board with  
25 the circuit elements; and  
a plurality of leads being connected to the circuit board through the molding material.
4. The display apparatus as claim in claim 1, said panel  
30 control means is formed in a circuit card.
5. The display apparatus as claim in claim 5, said panel control means includes:

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~~a card;~~

~~a plurality of circuit elements being mounted on the card; and~~

~~a plurality of slot contacts being formed on the card.~~

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~~A display apparatus for a notebook computer having a system body with a main printed circuit board, comprising:~~

~~a panel module including a display panel and a back light unit for irradiating to the display panel, said display panel displaying a picture information processed by the main printed circuit board and having a pixel matrix;~~

~~drivers being mounted on the display panel and for driving the row and column lines of the pixel matrix;~~

~~a module control board for driving the drivers and the back light unit responding to signal from the main printed circuit board;~~

~~a first connecting means for connecting the drivers and back light unit with the module control board; and~~

~~a second connecting means for connecting the main printed circuit board with the module control board.~~

~~7. The display apparatus as claimed in claim 7, said first connecting means includes a flexible printed circuit film.~~

~~8. The display apparatus as claimed in claim 7, said second connecting means includes:~~

~~a flexible printed circuit film being coupled between the drivers and the module control board; and~~

~~a conductive line being connected between the module control board and the back light unit.~~

9.

~~10. A display apparatus for a notebook computer having a system body with a main printed circuit board, comprising:~~

~~5 a panel module including a display panel and a back light unit for irradiating to the display panel, said display panel displaying a picture information processed by the main printed circuit board and having a pixel matrix;~~

~~drivers being mounted on the display panel and for driving the row and column lines of the pixel matrix;~~

~~10 a module control board being mounted on the main printed circuit board for driving the drivers and the back light unit responding to signal from the main printed circuit board; and~~

~~15 a connecting means for connecting the drivers and back light unit with the module control board.~~

~~10.~~

~~11. The display apparatus as claimed in claim 10, said connecting means includes:~~

~~20 a flexible printed circuit film being coupled between the drivers and the module control board; and~~

~~a conductive line being connected between the module control board and the back light unit.~~

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